

Shottky barrier diode

RB715W

●Applications

Low current rectification

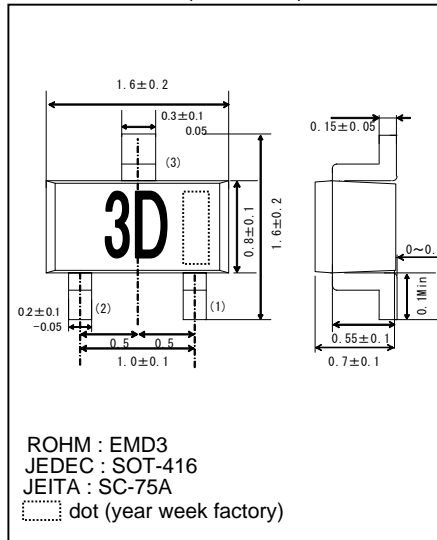
●Features

- 1) Ultra small power mold type. (EMD3)
- 2) Low I_R
- 3) High reliability.

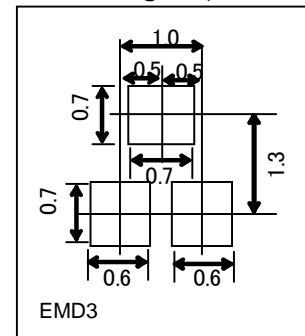
●Construction

Silicon epitaxial planar

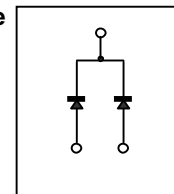
●Dimensions (Unit : mm)



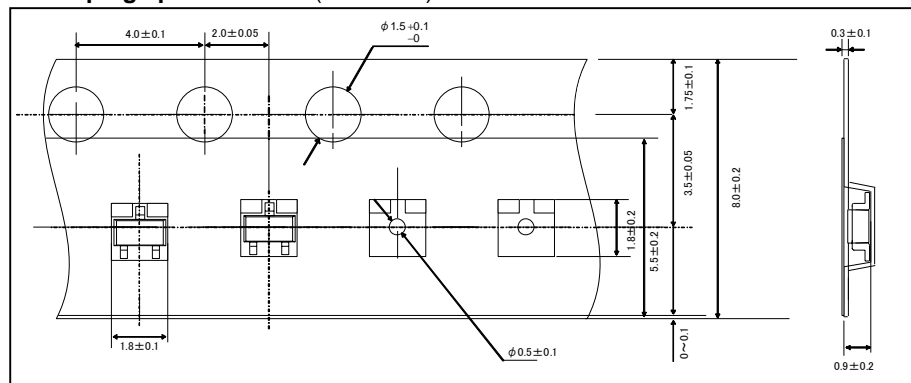
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



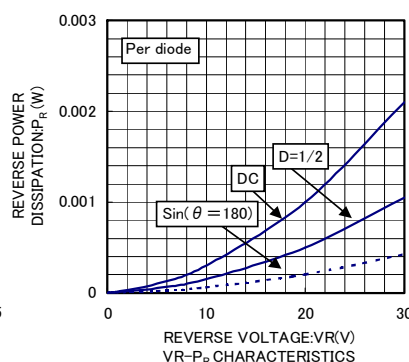
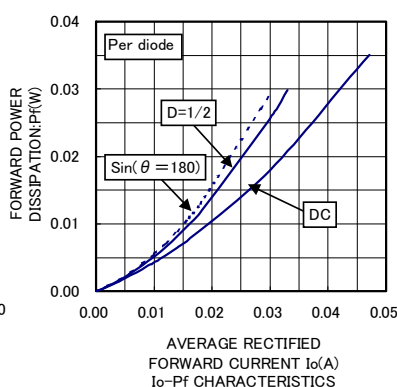
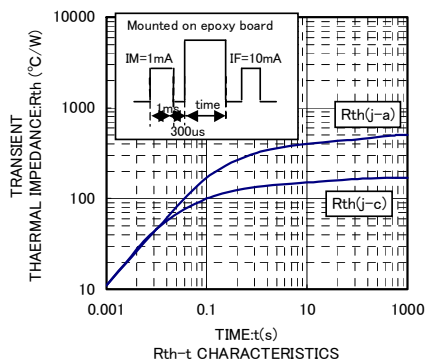
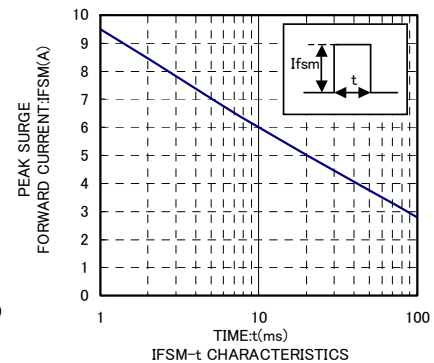
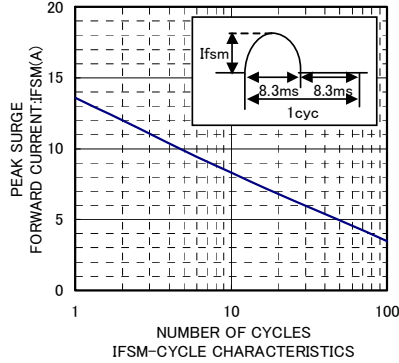
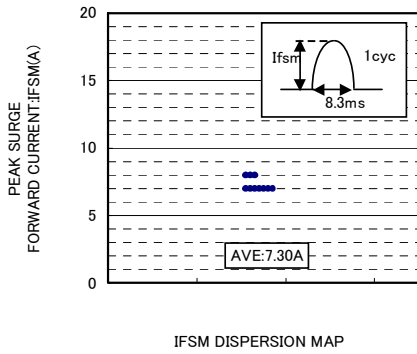
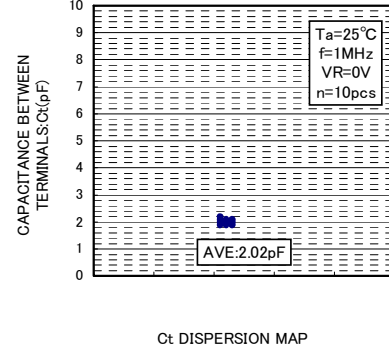
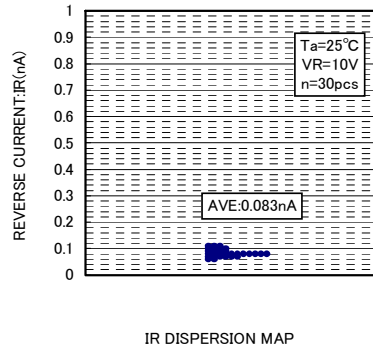
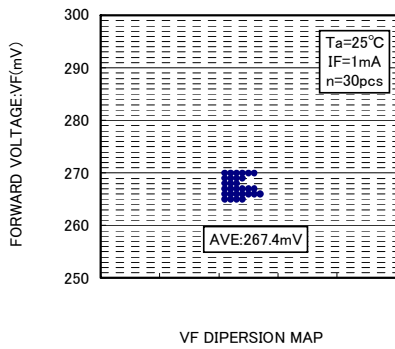
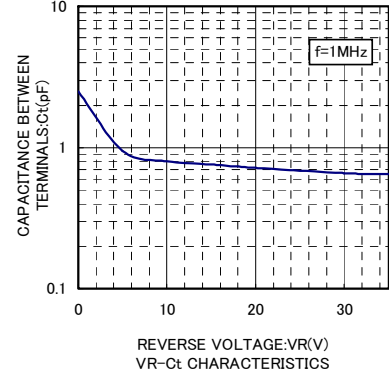
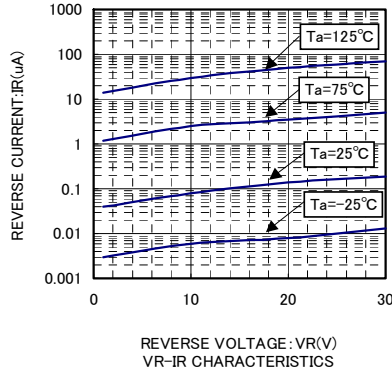
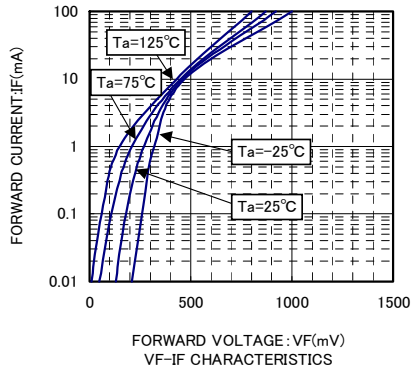
●Absolute maximum ratings (Ta=25°C)

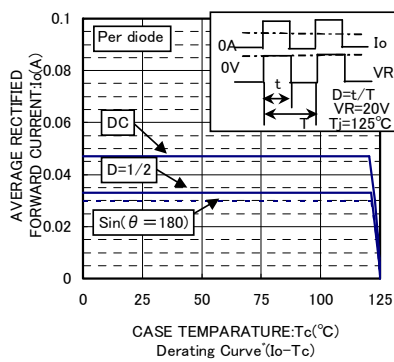
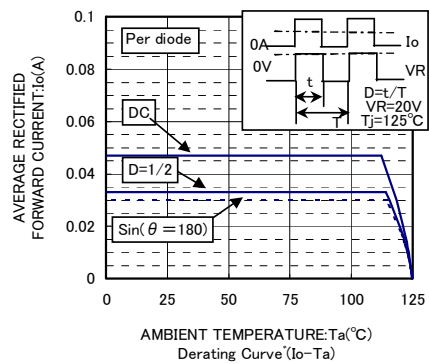
| Parameter | Symbol | Limits | Unit |
|---|-----------|-------------|------|
| Reverse voltage (repetitive peak) | V_{RM} | 40 | V |
| Reverse voltage (DC) | V_R | 40 | V |
| Average rectified forward current | I_o | 30 | mA |
| Forward current surge peak (60Hz·1cyc) (*1) | I_{FSM} | 200 | mA |
| Junction temperature | T_j | 125 | °C |
| Storage temperature | T_{stg} | -40 to +125 | °C |

(*1) Rating of per diode

●Electrical characteristics (Ta=25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-------------------------------|--------|------|------|------|------|-----------------------|
| Forward voltage | V_F | - | - | 0.37 | V | $I_F=1mA$ |
| Reverse current | I_R | - | - | 1 | μA | $V_R=10V$ |
| Capacitance between terminals | C_t | - | 2.0 | - | pF | $V_R=1.0V$ $f=1.0MHz$ |





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